

IN THE SPECIFICATION:

Please insert the following paragraph at the beginning of the specification.

This application is a 371 of international application PCT/JP2003/012570, which claims priority based on Japanese patent application No. 2002-324525 filed October 1, 2002, which is incorporated herein by reference.

Please replace the paragraph beginning on page 21, line 16, with the following rewritten paragraph:

A solution of each of Compounds 1 to 4 in HFE-7100 at a concentration of 0.1 wt% was prepared in the same manner as in Test Example 1. A carbon layer (film thickness about 15 nm) was formed by a sputtering deposition method on the surface of a hard disk having a magnetic layer on the surface of a disk of Al alloy of 3 in. in diameter. The carbon layer is a DLC protective layer. The disk was immersed in the HFE solution for 1 minute and withdrawn at a rate of 2 mm/s. A magnetic disk was produced by forming a lubrication layer of each of ~~Compounds 1 to 3~~ Compounds 1 to 4 on the surface by being left in a thermostatic oven at 100°C for 20

minutes. The lubrication layer had an average film thickness of 20 to 25 Å. For comparison, a magnetic disk having a lubrication layer of Compound 6 on the surface was produced. The lubrication layer was formed in the same manner as in the formation of the lubrication layers of Compounds 1 to 4 except that only the concentration in the solution was different (0.2 wt%). The lubrication layer thus formed had an average film thickness of 22Å.

Please replace the paragraph beginning on page 23, line 18, with the following rewritten paragraph:

Elementary analysis was performed by XPS (X-ray Photoelectron Spectroscopy) as to the sliding surface of the head after 1000-hour rotation. A signal derived from bonding of Al-F was strongly seen as to the head having slidden against the disk having the lubrication layer of ~~Compound 5~~ Compound 6. It was suggested that perfluoroether was reacted with Al on the surface of the head and was decomposed. On the other hand, on the head having slidden against the disk having a lubrication layer of each of Compounds 1 to 4, a signal derived from bonding of Al-F was not detected. Presumably unlike the Compound 6, Compounds 1 to 4 are such that perfluoropolyether chain in the molecule is unlikely to decompose

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due to Al compound in the head material.